

## SWP Water Quality Summary

July 21, 2005

**Total Dissolved Solids:** TDS at all locations ranged from 106 to 170 mg/l, however, concentrations at all locations were below the Article 19 Ten Year Average Objective of 220 mg/l. There was an increase at all locations except Check 29, Devil Canyon and Barker Slough. The greatest increase of 25 mg/l occurred at BPP (Bank Pumping Plant) followed by Check 41 and Vallecitos, however decrease of 43 and 38 mg/l was recorded at Devil Canyon and Barker Slough on July 13, 2005.

**Bromide concentrations:** Bromide decreased at Check 29, Devil Canyon and Barker Slough. The highest concentration of .09 mg/l occurred at Check 41, Devil Canyon and Barker Slough while Check 29 had the lowest of 0.04 mg/l on June 13, 2005. All other locations had concentrations equal or above CBDA objective of 0.05 mg/l.

**Turbidity:** Turbidity at all locations was below 20 NTU except at Barker Slough. Turbidity decreased at all locations except at Check 29 and Barker Slough where concentrations are 17 and 53 NTU, on July 13, 2005.

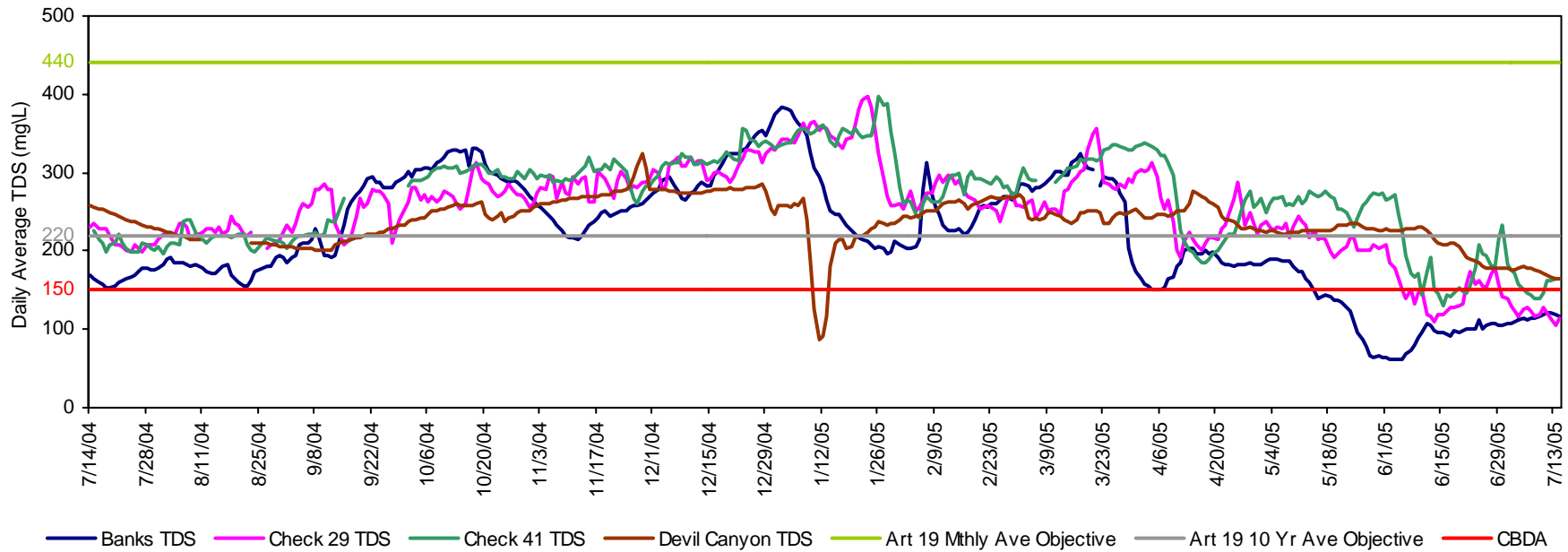
**Dissolved Organic Carbon:** DOC concentrations increased at Banks Pumping Plant, but decreased at Check 13. Concentrations at BPP and Check 13 ranged from 3.22 to 3.48 mg/l, and 3.44 to 2.65 mg/l, respectively. Concentrations at BPP increased above the CBDA TOC Objective of 3 mg/l while Check 13 decreased slightly.

**Taste and Odor Compounds:** Taste and odor compounds (MIB and geosmin) were occasionally high in Castaic Lake, Lake Perris, Silverwood Lake, Checks 41 and 66 from June 16 to July 13, 2005 and ranged from non – detect to 47 ng/l. Check 66 had the highest MIB of 47 ng/l on July 8, 2005. MIB and geosmin were low at Clifton Court, BPP, South Bay Aqueduct, San Luis Reservoir, Pacheco Pumping Plant and Check 13 and ranged from non – detect to 12 ng/l.

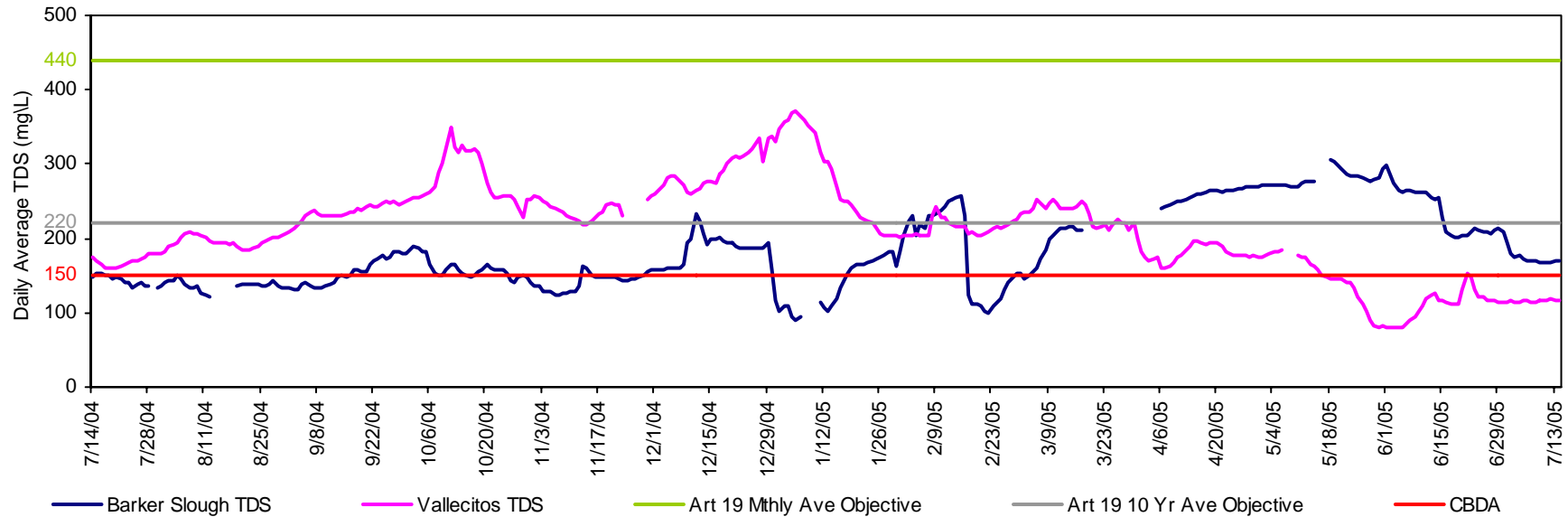
**Ground Water Pump-in:** None.

For more information refer to: <http://www.wmq.water.ca.gov> and <http://www.dpla.ca.gov/supply/sampling/mwq/main.htm>

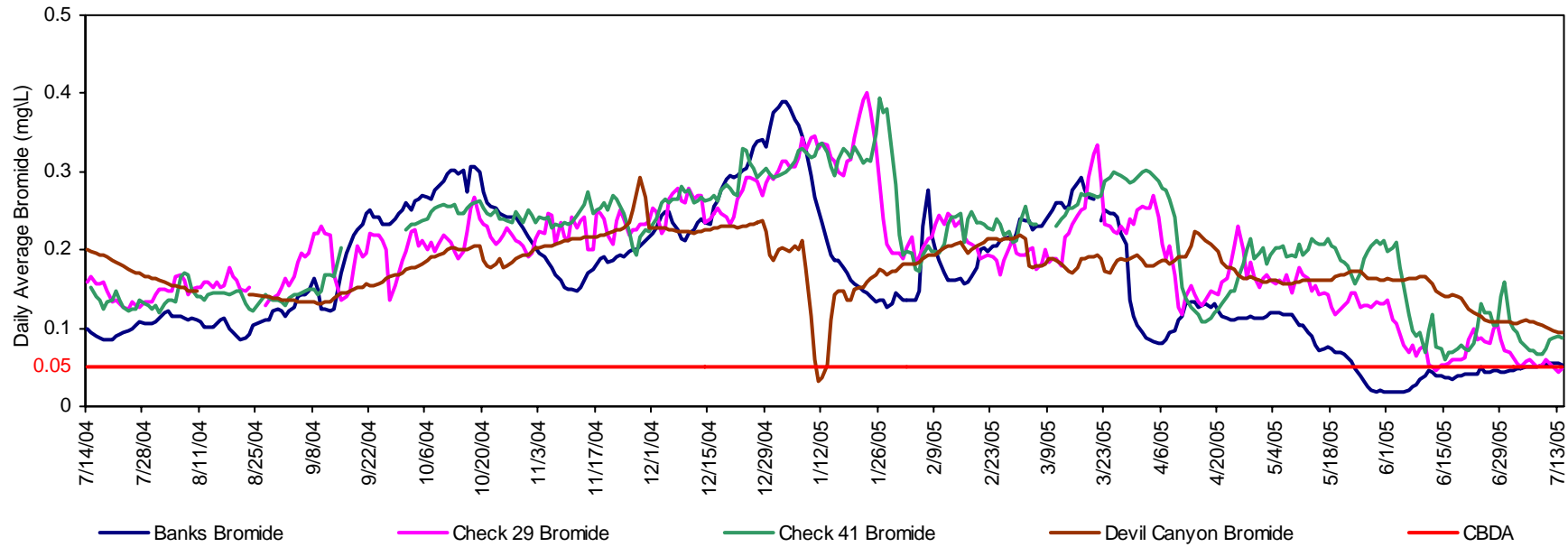
## California Aqueduct - Calculated Total Dissolved Solids



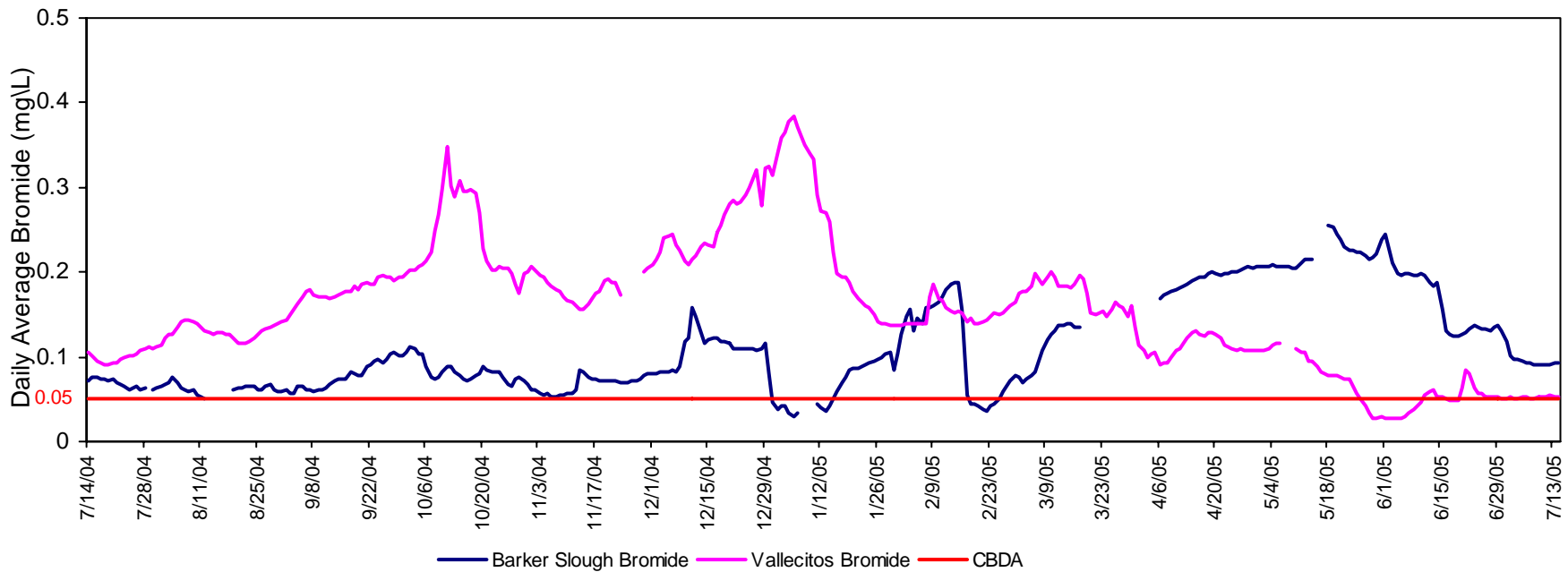
## North and South Bay Aqueduct - Calculated Total Dissolved Solids



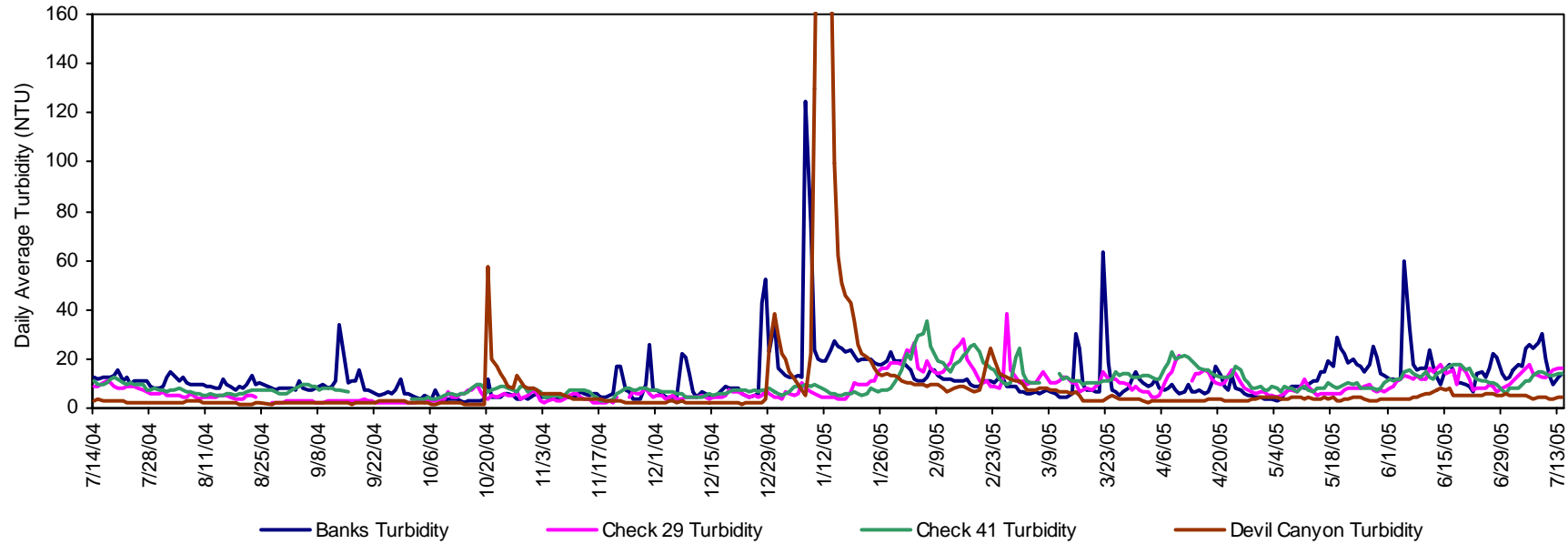
California Aqueduct - Calculated Bromide



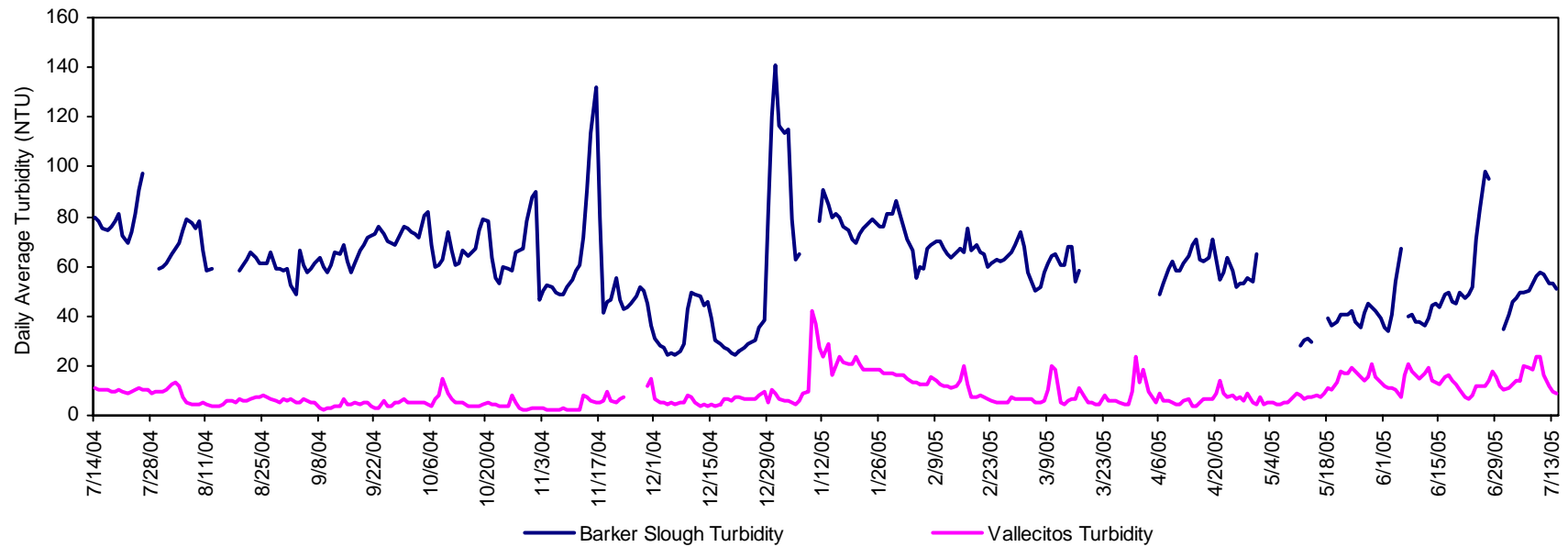
North and South Bay Aqueduct - Calculated Bromide



### California Aqueduct - Turbidity



### North and South Bay Aqueduct - Turbidity



# California Aqueduct Calculated Dissolved Organic Carbon

